

AMENDMENTS TO THE CLAIMS

37 C.F.R §1.121(c)

The following is a listing of claims that replaces all prior versions, and listings, of claims in the application. Underlining denotes added text, and strikethrough denotes cancelled text.

1. **(Withdrawn)** An isolated nucleotide sequence comprising 5'-NGGAGANNTG-3' (SEQ ID NO:57); wherein N at position 1 is chosen from G and A, N at position 7 is chosen from T and C, and N at position 8 is chosen from T and C, and wherein said isolated sequence specifically binds with a polypeptide sequence comprising RelB Rel homology domain (RHD) listed as SEQ ID NO:62.
2. **(Withdrawn)** The nucleotide sequence of Claim 1, wherein the specific binding increases transcription of a nucleic acid sequence of interest that is operably linked to said nucleotide sequence.
3. **(Withdrawn)** The isolated nucleotide sequence of Claim 1, wherein said nucleotide sequence does not bind to a protein chosen from one or more of RelB, RelA, p50, RelB:50, RelA:p50, and RelA:p52.
4. **(Withdrawn)** The isolated nucleotide sequence of Claim 1, wherein said nucleotide sequence comprises 5'-GGGAGATTTG-3' (SEQ ID NO:59).
5. **(Withdrawn)** The isolated nucleotide sequence of Claim 1, wherein said nucleotide sequence comprises 5'-GGGAGACCTG-3' (SEQ ID NO:2).
6. **(Withdrawn)** The isolated nucleotide sequence of Claim 1, wherein said nucleotide sequence comprises 5'-AGGAGATTTG-3' (SEQ ID NO:60).
7. **(Currently amended)** A method for identifying one or more test compounds that alters binding of RelB Rel homology domain (RelB RHD) with ~~RelB~~ RelB_k sequence, comprising:

- a) providing
- i) an isolated nucleotide sequence comprising 5'-NGGAGANNTG-3' (SEQ ID NO:57); wherein N at position 1 is chosen from G and A, N at position 7 is chosen from T and C, and N at position 8 is chosen from T and C, and wherein said isolated sequence specifically binds with a polypeptide sequence comprising RelB Rel homology domain (RHD) listed as SEQ ID NO:62,
 - ii) a polypeptide comprising RelB RHD listed as SEQ ID NO:62, and
 - iii) one or more test compounds;
- [[a)] b) ~~contacting i) the~~ contacting said isolated nucleotide sequence of Claim 1 ~~with ii) a~~ with said polypeptide comprising RelB RHD listed as SEQ ID NO:62 in the presence and absence of said one or more test compounds; and
- [[b)] c) detecting altered specific binding of said nucleotide sequence with said SEQ ID NO:62 in the presence of said one or more test compounds compared to in the absence of said one or more test compounds, thereby identifying said one or more test compounds as altering binding of RelB RHD with ~~RelB~~ RelB_K sequence.
8. **(Original)** The method Claim 7, wherein said polypeptide is recombinant.
9. **(Original)** The method of Claim 8, wherein said polypeptide comprises RelB:p52.
10. **(Original)** The method of Claim 8, wherein said polypeptide comprises RelB.
11. **(Original)** The method of Claim 8, wherein said contacting is *in vivo*.
12. **(Original)** The method of Claim 8, wherein said contacting is *in vitro*.
13. **(Currently amended)** The method of Claim 7, further comprising detecting unaltered binding of said nucleotide sequence to a protein comprising one or more of (a) RelA Rel

homology domain (RelA RHD) listed as SEQ ID NO:65, (b) RelA, (c) p50, (d) RelA:p50, (e) p52, (f) RelA:p52, (g) RelB RHD, (h) RelB, and (i) RelB:p50, in the presence and absence of said one or more test compounds.

14. **(Currently amended)** The method of Claim 7, further comprising detecting unaltered binding of an isolated nucleotide sequence comprising the ~~e~~consensus-εB ~~consensus-κB~~ sequence 5'-GGGACTTTCC-3' (SEQ ID NO:58) to a polypeptide comprising one or more of RelB RHD listed as SEQ ID NO:62, and RelB in the presence of said one or more test compounds.

15. **(Withdrawn)** A method for expression of a nucleic acid sequence of interest, comprising:

- a) providing:
 - i) a cell comprising the isolated nucleotide sequence of Claim 1, wherein said SEQ ID NO:57 is operably linked to said nucleic acid sequence of interest; and
 - ii) a polypeptide comprising RelB Rel homology domain (RelB RHD) listed as SEQ ID NO:62;
- b) contacting said cell with said polypeptide such that said SEQ ID NO:62 specifically binds with said SEQ ID NO:57, and said nucleic acid sequence of interest is expressed.

16. **(Withdrawn)** The method of Claim 15, wherein said polypeptide is recombinant.

17. **(Withdrawn)** The method of Claim 16, wherein said polypeptide comprises RelB:p52.

18. **(Withdrawn)** The method of Claim 16, wherein said polypeptide comprises RelB.

19. **(Withdrawn)** A kit comprising the isolated nucleotide sequence of Claim 1.